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NOTICE OF ALLOWANCE AND FEE(S) DUE

25944

7590

11/28/2008

OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850 EXAMINER

WILSON, SCOTT R

ART UNIT PAPER NUMBER

2826 DATE MAILED: 11/28/2008

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/575.853	04/14/2006	Masato Yamada	136147	5143	

TITLE OF INVENTION: LIGHT EMITTING DEVICE AND METHOD OF FABRICATING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

ppropriate. All further ndicated unless correcte naintenance fee notifica	ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	paintenance fees woondence address;	ill be and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Blo		Fee(s	s) Transmittal. Thi rs. Each additional	s certif paper	icate cannot be used for	domestic mailings of the or any other accompanying at or formal drawing, must	
25944	7590 11/28	/2008					of Mailing or Transn	niccion
OLIFF & BER P.O. BOX 3208: ALEXANDRIA	*			I here State addre trans	eby certify that this Postal Service wessed to the Mail mitted to the USP	s Fee(ith suf Stop ΓΟ (57	s) Transmittal is being ficient postage for first ISSUE FEE address at 1) 273-2885, on the da	deposited with the United t class mail in an envelope above, or being facsimile the indicated below.
								(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/575,853	04/14/2006		Masato Yamada				136147	5143
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	03/02/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
WILSON,		2826	257-013000					
. Change of corresponde CFR 1.363). Change of corresp Address form PTO/S1 "Fee Address" ind PTO/SB/47; Rev 03-6 Number is required.	(1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent	nes of up to 3 registered patent attorneys R, alternatively, ne of a single firm (having as a member a attorneys or agent) and the names of up to d patent attorneys or agents. If no name is ame will be printed.						
PLEASE NOTE: Unl	less an assignee is identi h in 37 CFR 3.11. Comp	A TO BE PRINTED ON The filed below, no assigned soletion of this form is NO	data will appear on th	ne pa g an a	tent. If an assigne ssignment.			ocument has been filed for
lease check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	rporati	on or other private gro	up entity Government
a. The following fee(s) I Issue Fee Publication Fee (N Advance Order - +	 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 							
_ ` .	tus (from status indicated is SMALL ENTITY statu		☐ b. Applicant is no	long	er claiming SMAI	LEN	ΓΙΤΥ status. See 37 CF	R 1.27(g)(2)
NOTE: The Issue Fee an	d Publication Fee (if requ		d from anyone other th	_	_			e assignee or other party in
Authorized Signature					Date			
Typed or printed name					•			
his collection of inform n application. Confiden ubmitting the completed nis form and/or suggesti Sox 1450, Alexandria, V Nexandria. Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th ONOT SEND FEES OR	on is required to obtain 1.14. This collection is depending upon the i e Chief Information O COMPLETED FORM	or re s esti ndivi fficer S TO	etain a benefit by the mated to take 12 ndual case. Any co r, U.S. Patent and 'O THIS ADDRESS	ne publ ninutes mment Traden . SENI	ic which is to file (and to complete, including s on the amount of tin nark Office, U.S. Depa D TO: Commissioner fo	by the USPTO to process) g gathering, preparing, and he you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/575,853	04/14/2006	Masato Yamada	136147	5143	
25944 7.	590 11/28/2008		EXAM	INER	
OLIFF & BERR	IDGE, PLC	WILSON,	SCOTT R		
P.O. BOX 320850		ART UNIT	PAPER NUMBER		
ALEXANDRIA, VA 22320-4850			2826		
		DATE MAILED: 11/28/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 185 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 185 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/575,853	YAMADA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	SCOTT R. WILSON	2826	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is so and MPEP 1308.	this application. If not included nication will be mailed in due course.	
2. ☑ The allowed claim(s) is/are <u>1-7,9-16 and 18</u> .			
3. Acknowledgment is made of a claim for foreign priority una a)	been received. been received in Application cuments have been received of this communication to file IENT of this application.	n No in this national stage application from a reply complying with the requireme	nts
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the deposation of the depos	on's Patent Drawing Review s Amendment / Comment or 84(c)) should be written on the header according to 37 CFI sit of BIOLOGICAL MATE	in the Office action of e drawings in the front (not the back) o R 1.121(d). RIAL must be submitted. Note the	
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08),	6. ☐ Interview Su Paper No./I 7. ☐ Examiner's /	ormal Patent Application mmary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowance	

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: No prior art discloses the

claimed device or method, in particular where the transparent thick-film semiconductor layer has

chemically etched side face portions with a doped region with the claimed doping concentration range.

The art of the prior rejection, Shakuda (US 6,107,648 A), does not teach chemically etched side faces,

and has a doping range which teaches away from applicants invention.

Any comments considered necessary by applicant must be submitted no later than the payment

of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such

submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to SCOTT R. WILSON whose telephone number is (571)272-1925. The examiner can

normally be reached on M-F 8:30 - 4:30 Eastern.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue

Purvis can be reached on 571-272-1236. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC)

at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative

or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-

1000.

srw

/Evan Pert/

Primary Examiner, Art Unit 2826